



MONICA A-1912080@nec



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839



1452

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DAILY CHALLENGE

ProgramID- 6220



SkillRack

Sum of Top Left Elements

The program must accept an integer matrix of size **RxC** as the input. The program must print the sum of top left quadrant elements as the output.

Boundary Condition(s):

1 <= R, C <= 99

Input Format:

The first line contains the integer values **R** and **C** separated by space(s).
The next **R** lines contain **C** integers each separated by space.

Output Format:

The first line contains the sum of top left quadrant elements.

Example Input/Output 1:

Input:

```
4 4
1 2 3 4
5 6 7 8
9 1 2 3
4 5 6 7
```

Output:

```
14
```

Explanation:

The top left elements are 1, 2, 5 and 6.

The sum of top left elements are 14 (1 + 2 + 5 + 6).

So, 14 is printed as the output.

Example Input/Output 2:

Input:

```
5 3
1 2 3
4 5 6
7 8 9
1 2 3
4 5 6
```

Output:

```
27
```

Explanation:

The top left elements are 1, 2, 4, 5, 7 and 8.

The sum of top left elements are 27 (1 + 2 + 4 + 5 + 7 + 8).

So, 27 is printed as the output.

Max Execution Time Limit: 5000 millisecs



Ambiance



Java (12.0)



Reset

```
1▼ import java.util.*;
2▼ public class Hello {
3
4▼     public static void main(String[] args) {
5         //Your Code Here
6         Scanner sc=new Scanner(System.in);
7         int n=sc.nextInt();
8         int m=sc.nextInt();
9         int[][] arr=new int[n][m];
10▼        for(int i=0;i<n;i++){
11▼            for(int j=0;j<m;j++){
12                arr[i][j]=sc.nextInt();
13            }
14        }
15        int sum=0;
16        int r=n%2==0?n/2:(n/2)+1;
17        int c=m%2==0?m/2:(m/2)+1;
18▼        for(int i=0;i<r;i++){
19▼            for(int j=0;j<c;j++){
```

```
20         sum+=arr[i][j];
21     }
22 }
23 System.out.print(sum);
24
25 }
26 }
```

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Code did not pass the execution

Input:

```
5 3
1 2 3
4 5 6
7 8 9
1 2 3
4 5 6
```

Expected Output:

27

Your Program Output:

Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException
: Index 3 out of bounds for length 3
at Hello.main(Hello.java:12)

Save

Run



Run with a custom test case (Input/Output)

